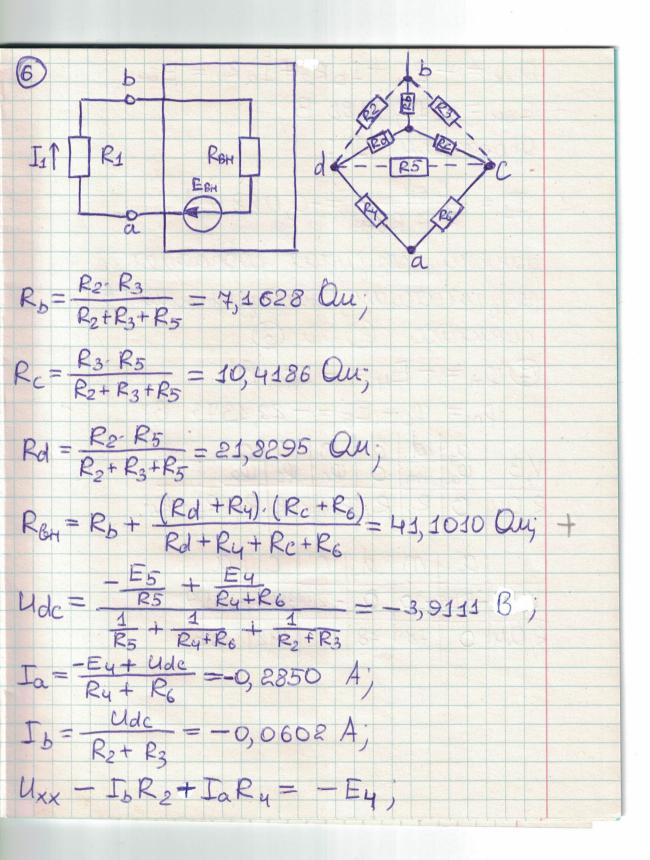


a: (-I1-I4-I6=0 b: { I1+ I2+ I3 = 0 J 3-4 Ruporopa  $C: | I_5 - I_3 + I_6 = 0$ abda: (IjRy - I2R2-I4R4 = - E4 dbcd: [ I2R2 - I3R3 - I5R5 = - E5 II 3-4 Kuperoga adea: [JyRy+I5R5-I6R6= F4+E5  $+2]_{1}=I_{11}; I_{2}=-I_{11}+I_{22}; I_{3}=-I_{22};$  $I_{4} = -I_{11} + I_{33}$ ,  $I_{5} = -I_{22} + I_{33}$ ,  $I_{6} = -I_{33}$ [IssRs+Jss R2+I22 R2+I11 R4-I33 R4=-E4  $-J_{11}R_2+J_{22}R_2+J_{22}R_3+J_{22}R_5-J_{33}R_5=-E_5$ - IstRy + I33R4- I22R5 + I33R5 + I33 R6 = E4+ E5 [I11(R1+R2+R4)+I22(-R2)+I33(-R4)=-E4 (I11 (-R2) + I22 (R2+R3+R5) + I33 (-R5) = -E5 I11 (-R4) + I22 (-R5) + I33 (R4+R5+R6) = E4+E5  $R_1+R_2+R_4$   $-R_2$   $-R_4$   $-E_4$   $-R_2$   $-R_5$   $-E_5$ -R4 - R5 R4+R5+R6 E4+E5/ 198 -44 -78 -30 -44 129 -64 -26 -78 -64 183 56

I1=-0,0889 A; I22=-0,1196 A; I33=0,2262 A; I<sub>1</sub>=-90889 A; I<sub>2</sub>=-9,0306 A; I<sub>3</sub>=0,1196 A I4 = 0,3152 A) I5 = Q3458 A; I6 = -0,2262 A.  $I_1 = (\varphi_\alpha - \varphi_b), \quad I_2 = -\varphi_b$  $I_3 = \frac{\varphi_c - \varphi_b}{R_3}$   $I_4 = \frac{\varphi_a + E_4}{R_4}$  $I_5 = -\frac{\varphi_c + E_5}{R_5}, \quad I_6 = -\frac{\varphi_a - \varphi_e}{R_6}$ nogetablem & cucremy no 53-rey Kupocrogoa u cgeraen preospa-306arus:  $\left(\frac{1}{R_{1}} + \frac{1}{R_{4}} + \frac{1}{R_{6}}\right) \varphi_{a} + \left(-\frac{1}{R_{1}}\right) \varphi_{b} + \left(-\frac{1}{R_{6}}\right) \varphi_{c} = -\frac{E_{4}}{R_{4}}$  $\left(-\frac{1}{R_{1}}\right)\varphi_{a} + \left(\frac{1}{R_{1}} + \frac{1}{R_{2}} + \frac{1}{R_{3}}\right)\varphi_{b} + \left(-\frac{1}{R_{3}}\right)\varphi_{c} = 0$  $\begin{pmatrix}
\frac{1}{R_{6}} & \varphi_{a} + \begin{pmatrix} -\frac{1}{R_{3}} & \varphi_{b} + \begin{pmatrix} \frac{1}{R_{3}} & +\frac{1}{R_{5}} & +\frac{1}{R_{6}} & \varphi_{c} - \frac{E_{5}}{R_{5}} \\
\frac{1}{R_{1}} & +\frac{1}{R_{4}} & +\frac{1}{R_{6}} & -\frac{1}{R_{1}} & -\frac{E_{4}}{R_{4}} \\
\frac{1}{R_{1}} & +\frac{1}{R_{2}} & +\frac{1}{R_{3}} & -\frac{1}{R_{3}} & 0 \\
\frac{1}{R_{1}} & +\frac{1}{R_{2}} & +\frac{1}{R_{3}} & -\frac{1}{R_{3}} & 0 \\
\frac{1}{R_{6}} & -\frac{1}{R_{3}} & -\frac{1}{R_{3}} & -\frac{1}{R_{5}} & 0
\end{pmatrix}$ 

10,0503687 -0,0131579 -0,0243902 -0,384615 (6) -0,0131579 0,083504 -0,047619 0 -0,0243902 -0,047619 0,0876343 0,40625 R1 φα = -5,4129 B; Ψb=1,3498 B; φc = 3, 8626 B. I1 = -0,0889 A; I2 = -0,0306 A;  $R_b = \frac{R_2 \cdot R_3}{R_2 + R_3 + R_3}$ I3 = 0,1196 A; I4 = 0,3152 A; Is = 0,3458 A; I6 = -92262 A Rc = R3 R5 (4) METOS II I2 I3 I4 I5 I6 M. K.T. -0,0889 -0,0306 0,1196 93152 0,3458 -92262  $Rd = \frac{R_2 \cdot R_5}{R_0 + R_3 + R_3 + R_5}$ M. Y.M. -90889 -90306 0,1196 93152 93458 -92262. RBH = Rb+ -+ 5 \(\Dig (\pm I\_KEK) = \Dig Rn I\_n^2\)  $Udc = -\frac{E_5}{R_5}$ I4 E4 + I5 E5 = R1 I3 + R2 I2 + R3 I3 + R4 I4 + + R5 I5+ R6 I6. Ia = -Ey+ C 9,4565 + 8,9930 = 18,4495 18,4495 = 18,4495  $I_b = \frac{Udc}{R_2 + R}$ Banage comerca Uxx - IBR



Uxx = - Ey + Ib R2 - JaRy = EBH + EBH = - 10, 4188 B; Onpegemme Is: + IJ = EBH =-0,0889 A garriour resylvatat collagaet e результогания, напренновии в nyrktasc & a 3 @ Pm = - E4 = - 30 B;  $\varphi_n = \varphi_c - E_5 = -22,1373 B;$ V,B Pa Pm O Pn Pc Pa R, Qu O Ry Ry Ryths Ryths Ryths + R6 ja midin cja V, B -5,4129 -30 0 -22,133 3,8626 -5,4129 R, Qu O 78 78 142 142 183

